What is claimed is:

1. A network system which communicates with a network device storing information or an object, and has a function of retrieving information, comprising:

an information network address unit assigning an information network address which is a network address to a name of the information or the object;

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an information retrieval communications unit establishing communications for the network device storing the information or the object corresponding to the information network address.

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- 2. The system according to claim 1, wherein said information network address unit comprises an information network address generation unit inputting information indicating a feature of the information or the object, and outputting the information network address.
- The system according to claim 2, wherein said information network address unit
 comprises an operations unit generating the

information network address in arithmetic operation.

- 4. The system according to claim 3, wherein
 5 said operations unit computes an error detection and correction code.
- The system according to claim 3, wherein said operations unit computes a secure hash
 function.
- 6. The system according to claim 2, wherein said information network address generation unit is equipped with a database for accumulating correspondence between the information or the object and the information network address, and generates the information network address by searching the database.
- The system according to claim 6, wherein said information network address generation unit adds a record type indicating the name of the information or the object to a server of a domain name system which is the database, and obtains an information network address corresponding to the

name of the information or the object.

8. The system according to claim 6, wherein said information network address generation unit inquires uniform resource locator information of a plurality of WEB search engine retrieval system which is the database, and generates the information network address according to the obtained information.

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- 9. The system according to claim 1, wherein said information network address unit comprises an adjustment unit adjusting length and representation of a result obtained by inputting information indicating a feature of the information or an object such that the result can be assigned to a part or all of an existing network address as the information network address.
- 20 10. The system according to claim 1, wherein: a portion for forming part of said information retrieval communications unit and relaying a packet addressed to the information network address comprises:
- 25 an information network address

identification unit identifying the information network address; and

an information route management unit managing an information route using the information network address, wherein

said relaying portion relays the packet through the information route.

- 11. The system according to claim 10, wherein

 10 said information route management unit

 manages the information route according to

 information set in a packet transmitted from a

 previously relayed information network address.
- 15 12. The system according to claim 1, wherein said information retrieval communications unit establishes communications using the information network address by using an existing network address as the information network address and an existing communications mechanism for the network address.
- 13. The system according to claim 1, wherein said information retrieval communications25 unit assigns the information network address to an

existing anycast address.

- 14. The system according to claim 1, wherein said information retrieval communications unit assigns the information network address to an existing multicast address.
- 15. The system according to claim 1, wherein said information retrieval communications10 unit assigns the information network address to an existing broadcast address.
- 16. A network terminal device which communicates with a network device storing information or an object, and has a function of retrieving information, comprising:

an information network address unit assigning an information network address which is a network address to a name of the information or the object;

20 and

an information retrieval communications unit establishing communications for the network device storing information or an object corresponding to the information network address.

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17. A computer-readable storage medium storing a program used for a computer forming a network terminal device for communicating with a network device storing information or an object, said program comprising:

assigning an information network address which is a network address to a name of the information or the object; and

establishing communications for the network

10 device storing the information or the object

corresponding to the information network address.

18. A network relay device which relays communications established for a network device which stores information or an object using an information network address which is a network address assigned to a name of the information or the object, comprising:

an information network address

20 identification unit identifying the information network address; and

an information route management unit managing an information route using the information network address, wherein

25 saidpacket is relayed through the information

route.

19. A computer-readable storage medium storing a program used for a computer forming a network relay device which relays communications established for a network device which stores information or an object using an information network address which is a network address assigned to a name of the information or the object, said program comprising:

identifying the information network address; managing an information route according to the information network address; and

relaying the packet through the information route.

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